

ABSTRACT OF THE INVENTION

Systems, methods and apparatus for acquiring an image from within a body lumen are provided. Systems embodying features of the invention include an intracorporeal imaging component for acquiring imaging information, an image information recording component, and an image information playback component. Methods for acquiring image information from within a body lumen include steps of acquiring imaging information, storing image information, and playing back imaging information. Imaging information may be played back as acquired, or non-sequentially, or composite images may be formed by combining, filtering, enhancing, or subtracting images and the composite images displayed. Devices embodying features of the invention include optical imaging components such as an optical IGW, an optical imaging recording component, and an optical image playback component. The systems, methods and devices are suitable for use with angioplasty, stent delivery, and other intracorporeal clinical procedures.

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